

## CByJ(Cg)-*dde*/GrsrJ

Stock No: **010822** | disproportionate dwarf and eye defect

 Spontaneous Mutation

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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homozygotes.

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## GENETIC OVERVIEW

Genetic Background

Generation

*dde*

Alele Type

Gene Symbol

Gene Name

Spontaneous

*dde*

disproportionate dwarf and eye defect

VIEW GENETICS

## RESEARCH APPLICATIONS

Sensorineural Research

Reproductive Biology Research

Apoptosis Research

Developmental Biology Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

## Details

### Detailed Description

*dde* homozygotes have disproportionate dwarfing evident at birth by shortened limbs, although the axial skeleton appears normal. The back feet have fused toes. Retinal dysplasia presents as white lines in the retina and electroretinograms show abnormal rod and cone function. Males are sterile and females are poor breeders and poor mothers, often requiring foster mothers to rear the pups. The lifespan of homozygotes varies with some dying shortly after wean and others surviving to approximately one year of age. Ailments identified in homozygotes include emphysema, stomach polyp, apoptotic cells of the testis, thyroid cysts, holes in the thoracic chord white matter, and holes in the skeletal muscle fibers in the leg. While it has been proposed that *dde* may offer a model for Walker-Warburg syndrome, this has not yet been proven.

### Development

### Control Suggestions

### Selected References

## Genetics

### *dde*

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

Homozygous females are often poor mothers and foster mothers are needed to support the pups. Meal should be added into the cage so that it is accessible to the homozygous dwarf pups and these pups should be housed with the parents longer than the usual 3 weeks prior to wean.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the disproportionate dwarf and eye defect mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #010822 in your Materials and Methods section.

#### Animal Health Reports

[Facility Barrier Level Descriptions](#)

*Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)*

## Pricing & Availability



Cryo  
Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

### Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

#### CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous for dde	\$2,854.50

#### RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	CByJ(Cg)-dde/GrsrJ	\$2595.00
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## PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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#### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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### Related Strains

All

By Allele

By Gene

By Collection



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